



IFWO

RAW SEQUENCE LISTING

DATE: 10/04/2004

PATENT APPLICATION: US/10/765,727

TIME: 11:54:56

Input Set : A:\67452521.app

Output Set : N:\CRF4\10042004\J765727.raw

3 <110> APPLICANT: BODMER, MARK WILLIAM
 4 BRIEND, EMMANUEL CYRILLE PASCAL
 5 CHAMPION, BRIAN ROBERT
 6 YOUNG, LESLEY LYNN
 8 <120> TITLE OF INVENTION: MODULATORS OF NOTCH SIGNALLING FOR USE IN IMMUNOTHERAPY
 10 <130> FILE REFERENCE: 674525-2010
 12 <140> CURRENT APPLICATION NUMBER: 10/765,727
 13 <141> CURRENT FILING DATE: 2004-01-23
 15 <150> PRIOR APPLICATION NUMBER: PCT/GB02/03426
 16 <151> PRIOR FILING DATE: 2002-07-25
 18 <150> PRIOR APPLICATION NUMBER: GB 0118153.6
 19 <151> PRIOR FILING DATE: 2001-07-25
 21 <150> PRIOR APPLICATION NUMBER: GB 0207930.9
 22 <151> PRIOR FILING DATE: 2002-04-05
 24 <150> PRIOR APPLICATION NUMBER: GB 0212282.8
 25 <151> PRIOR FILING DATE: 2002-05-28
 27 <150> PRIOR APPLICATION NUMBER: GB 0212283.6
 28 <151> PRIOR FILING DATE: 2002-05-28
 30 <160> NUMBER OF SEQ ID NOS: 40
 32 <170> SOFTWARE: PatentIn Ver. 3.2
 34 <210> SEQ ID NO: 1
 35 <211> LENGTH: 63
 36 <212> TYPE: PRT
 37 <213> ORGANISM: Drosophila melanogaster
 39 <400> SEQUENCE: 1
 40 Trp Lys Thr Asn Lys Ser Glu Ser Gln Tyr Thr Ser Leu Glu Tyr Asp
 41 1 5 10 15
 43 Phe Arg Val Thr Cys Asp Leu Asn Tyr Tyr Gly Ser Gly Cys Ala Lys
 44 20 25 30
 46 Phe Cys Arg Pro Arg Asp Asp Ser Phe Gly His Ser Thr Cys Ser Glu
 47 35 40 45
 49 Thr Gly Glu Ile Ile Cys Leu Thr Gly Trp Gln Gly Asp Tyr Cys
 50 50 55 60
 53 <210> SEQ ID NO: 2
 54 <211> LENGTH: 63
 55 <212> TYPE: PRT
 56 <213> ORGANISM: Homo sapiens
 58 <400> SEQUENCE: 2
 59 Trp Ser Gln Asp Leu His Ser Ser Gly Arg Thr Asp Leu Lys Tyr Ser
 60 1 5 10 15
 62 Tyr Arg Phe Val Cys Asp Glu His Tyr Tyr Gly Glu Gly Cys Ser Val
 63 20 25 30
 65 Phe Cys Arg Pro Arg Asp Asp Ala Phe Gly His Phe Thr Cys Gly Glu

p.6

RAW SEQUENCE LISTING

DATE: 10/04/2004

PATENT APPLICATION: US/10/765,727

TIME: 11:54:56

Input Set : A:\67452521.app

Output Set: N:\CRF4\10042004\J765727.raw

```

66          35          40          45
68 Arg Gly Glu Lys Val Cys Asn Pro Gly Trp Lys Gly Pro Tyr Cys
69      50          55          60
72 <210> SEQ ID NO: 3
73 <211> LENGTH: 63
74 <212> TYPE: PRT
75 <213> ORGANISM: Mus musculus
77 <400> SEQUENCE: 3
78 Trp Ser Gln Asp Leu His Ser Ser Gly Arg Thr Asp Leu Arg Tyr Ser
79 1          5          10          15
81 Tyr Arg Phe Val Cys Asp Glu His Tyr Tyr Gly Glu Gly Cys Ser Val
82      20          25          30
84 Phe Cys Arg Pro Arg Asp Asp Ala Phe Gly His Phe Thr Cys Gly Asp
85      35          40          45
87 Arg Gly Glu Lys Met Cys Asp Pro Gly Trp Lys Gly Gln Tyr Cys
88      50          55          60
91 <210> SEQ ID NO: 4
92 <211> LENGTH: 63
93 <212> TYPE: PRT
94 <213> ORGANISM: Rattus norvegicus
96 <400> SEQUENCE: 4
97 Trp Ser Gln Asp Leu His Ser Ser Gly Arg Thr Asp Leu Arg Tyr Ser
98 1          5          10          15
100 Tyr Arg Phe Val Cys Asp Glu His Tyr Tyr Gly Glu Gly Cys Ser Val
101      20          25          30
103 Phe Cys Arg Pro Arg Asp Asp Ala Phe Gly His Phe Thr Cys Gly Glu
104      35          40          45
106 Arg Gly Glu Lys Met Cys Asp Pro Gly Trp Lys Gly Gln Tyr Cys
107      50          55          60
110 <210> SEQ ID NO: 5
111 <211> LENGTH: 63
112 <212> TYPE: PRT
113 <213> ORGANISM: Mus musculus
115 <400> SEQUENCE: 5
116 Trp Arg Thr Asp Glu Gln Asn Asp Thr Leu Thr Arg Leu Ser Tyr Ser
117 1          5          10          15
119 Tyr Arg Val Ile Cys Ser Asp Asn Tyr Tyr Gly Glu Ser Cys Ser Arg
120      20          25          30
122 Leu Cys Lys Lys Arg Asp Asp His Phe Gly His Tyr Glu Cys Gln Pro
123      35          40          45
125 Asp Gly Ser Leu Ser Cys Leu Pro Gly Trp Thr Gly Lys Tyr Cys
126      50          55          60
129 <210> SEQ ID NO: 6
130 <211> LENGTH: 63
131 <212> TYPE: PRT
132 <213> ORGANISM: Homo sapiens
134 <400> SEQUENCE: 6
135 Trp Leu Leu Asp Glu Gln Thr Ser Thr Leu Thr Arg Leu Arg Tyr Ser
136 1          5          10          15

```

RAW SEQUENCE LISTING

DATE: 10/04/2004

PATENT APPLICATION: US/10/765,727

TIME: 11:54:56

Input Set : A:\67452521.app

Output Set: N:\CRF4\10042004\J765727.raw

```

138 Tyr Arg Val Ile Cys Ser Asp Asn Tyr Tyr Gly Asp Asn Cys Ser Arg
139           20           25           30
141 Leu Cys Lys Lys Arg Asn Asp His Phe Gly His Tyr Val Cys Gln Pro
142           35           40           45
144 Asp Gly Asn Leu Ser Cys Leu Pro Gly Trp Thr Gly Glu Tyr Cys
145           50           55           60
148 <210> SEQ ID NO: 7
149 <211> LENGTH: 63
150 <212> TYPE: PRT
151 <213> ORGANISM: Rattus norvegicus
153 <400> SEQUENCE: 7
154 Trp Gln Thr Leu Lys Gln Asn Thr Gly Ile Ala His Phe Glu Tyr Gln
155   1           5           10           15
157 Ile Arg Val Thr Cys Asp Asp His Tyr Tyr Gly Phe Gly Cys Asn Lys
158           20           25           30
160 Phe Cys Arg Pro Arg Asp Asp Phe Phe Gly His Tyr Ala Cys Asp Gln
161           35           40           45
163 Asn Gly Asn Lys Thr Cys Met Glu Gly Trp Met Gly Pro Glu Cys
164           50           55           60
167 <210> SEQ ID NO: 8
168 <211> LENGTH: 63
169 <212> TYPE: PRT
170 <213> ORGANISM: Mus musculus
172 <400> SEQUENCE: 8
173 Trp Gln Thr Leu Lys Gln Asn Thr Gly Ile Ala His Phe Glu Tyr Gln
174   1           5           10           15
176 Ile Arg Val Thr Cys Asp Asp His Tyr Tyr Gly Phe Gly Cys Asn Lys
177           20           25           30
179 Phe Cys Arg Pro Arg Asp Asp Phe Phe Gly His Tyr Ala Cys Asp Gln
180           35           40           45
182 Asn Gly Asn Lys Thr Cys Met Glu Gly Trp Met Gly Pro Asp Cys
183           50           55           60
186 <210> SEQ ID NO: 9
187 <211> LENGTH: 63
188 <212> TYPE: PRT
189 <213> ORGANISM: Homo sapiens
191 <400> SEQUENCE: 9
192 Trp Gln Thr Leu Lys Gln Asn Thr Gly Val Ala His Phe Glu Tyr Gln
193   1           5           10           15
195 Ile Arg Val Thr Cys Asp Asp Tyr Tyr Tyr Gly Phe Gly Cys Asn Lys
196           20           25           30
198 Phe Cys Arg Pro Arg Asp Asp Phe Phe Gly His Tyr Ala Cys Asp Gln
199           35           40           45
201 Asn Gly Asn Lys Thr Cys Met Glu Gly Trp Met Gly Arg Glu Cys
202           50           55           60
205 <210> SEQ ID NO: 10
206 <211> LENGTH: 63
207 <212> TYPE: PRT
208 <213> ORGANISM: Gallus gallus

```

RAW SEQUENCE LISTING

DATE: 10/04/2004

PATENT APPLICATION: US/10/765,727

TIME: 11:54:56

Input Set : A:\67452521.app

Output Set: N:\CRF4\10042004\J765727.raw

210 <400> SEQUENCE: 10

```

211 Trp Gln Thr Leu Lys His Asn Thr Gly Ala Ala His Phe Glu Tyr Gln
212   1           5           10           15
214 Ile Arg Val Thr Cys Ala Glu His Tyr Tyr Gly Phe Gly Cys Asn Lys
215           20           25           30
217 Phe Cys Arg Pro Arg Asp Asp Phe Phe Thr His His Thr Cys Asp Gln
218           35           40           45
220 Asn Gly Asn Lys Thr Cys Leu Glu Gly Trp Thr Gly Pro Glu Cys
221   50           55           60

```

224 <210> SEQ ID NO: 11

225 <211> LENGTH: 63

226 <212> TYPE: PRT

227 <213> ORGANISM: Gallus gallus

229 <400> SEQUENCE: 11

```

230 Trp Lys Thr Leu Gln Phe Asn Gly Pro Val Ala Asn Phe Glu Val Gln
231   1           5           10           15
233 Ile Arg Val Lys Cys Asp Glu Asn Tyr Tyr Ser Ala Leu Cys Asn Lys
234           20           25           30
236 Phe Cys Gly Pro Arg Asp Asp Phe Val Gly His Tyr Thr Cys Asp Gln
237           35           40           45
239 Asn Gly Asn Lys Ala Cys Met Glu Gly Trp Met Gly Glu Glu Cys
240           50           55           60

```

243 <210> SEQ ID NO: 12

244 <211> LENGTH: 63

245 <212> TYPE: PRT

246 <213> ORGANISM: Mus musculus

248 <400> SEQUENCE: 12

```

249 Trp Lys Ser Leu His Phe Ser Gly His Val Ala His Leu Glu Leu Gln
250   1           5           10           15
252 Ile Arg Val Arg Cys Asp Glu Asn Tyr Tyr Ser Ala Thr Cys Asn Lys
253           20           25           30
255 Phe Cys Arg Pro Arg Asn Asp Phe Phe Gly His Tyr Thr Cys Asp Gln
256           35           40           45
258 Tyr Gly Asn Lys Ala Cys Met Asp Gly Trp Met Gly Lys Glu Cys
259           50           55           60

```

262 <210> SEQ ID NO: 13

263 <211> LENGTH: 63

264 <212> TYPE: PRT

265 <213> ORGANISM: Homo sapiens

267 <400> SEQUENCE: 13

```

268 Trp Lys Ser Leu His Phe Ser Gly His Val Ala His Leu Glu Leu Gln
269   1           5           10           15
271 Ile Arg Val Arg Cys Asp Glu Asn Tyr Tyr Ser Ala Thr Cys Asn Lys
272           20           25           30
274 Phe Cys Arg Pro Arg Asn Asp Phe Phe Gly His Tyr Thr Cys Asp Gln
275           35           40           45
277 Tyr Gly Asn Lys Ala Cys Met Asp Gly Trp Met Gly Lys Glu Cys
278           50           55           60

```

281 <210> SEQ ID NO: 14

RAW SEQUENCE LISTING

DATE: 10/04/2004

PATENT APPLICATION: US/10/765,727

TIME: 11:54:56

Input Set : A:\67452521.app

Output Set: N:\CRF4\10042004\J765727.raw

282 <211> LENGTH: 63

283 <212> TYPE: PRT

284 <213> ORGANISM: Rattus norvegicus

286 <400> SEQUENCE: 14

287 Trp Lys Ser Leu His Phe Ser Gly His Val Ala His Leu Glu Leu Gln

288 1 5 10 15

290 Ile Arg Val Arg Cys Asp Glu Asn Tyr Tyr Ser Ala Thr Cys Asn Lys

291 20 25 30

293 Phe Cys Arg Pro Arg Asn Asp Phe Phe Gly His Tyr Thr Cys Asp Gln

294 35 40 45

296 Tyr Gly Asn Lys Ala Cys Met Asp Gly Trp Met Gly Lys Glu Cys

297 50 55 60

300 <210> SEQ ID NO: 15

301 <211> LENGTH: 63

302 <212> TYPE: PRT

303 <213> ORGANISM: Homo sapiens

305 <400> SEQUENCE: 15

306 Trp Lys Ser Leu His Phe Ser Gly His Val Ala His Leu Glu Leu Gln

307 1 5 10 15

309 Ile Arg Val Arg Cys Asp Glu Asn Tyr Tyr Ser Ala Thr Cys Asn Lys

310 20 25 30

312 Phe Cys Arg Pro Arg Asn Asp Phe Phe Gly His Tyr Thr Cys Asp Gln

313 35 40 45

315 Tyr Gly Asn Lys Ala Cys Met Asp Gly Trp Met Gly Lys Glu Cys

316 50 55 60

319 <210> SEQ ID NO: 16

320 <211> LENGTH: 63

321 <212> TYPE: PRT

322 <213> ORGANISM: Drosophila melanogaster

324 <400> SEQUENCE: 16

325 Trp Lys Thr Leu Asp His Ile Gly Arg Asn Ala Arg Ile Thr Tyr Arg

326 1 5 10 15

328 Val Arg Val Gln Cys Ala Val Thr Tyr Tyr Asn Thr Thr Cys Thr Thr

329 20 25 30

331 Phe Cys Arg Pro Arg Asp Asp Gln Phe Gly His Tyr Ala Cys Gly Ser

332 35 40 45

334 Glu Gly Gln Lys Leu Cys Leu Asn Gly Trp Gln Gly Val Asn Cys

335 50 55 60

338 <210> SEQ ID NO: 17

339 <211> LENGTH: 723

340 <212> TYPE: PRT

341 <213> ORGANISM: Homo sapiens

343 <400> SEQUENCE: 17

344 Met Gly Ser Arg Cys Ala Leu Ala Leu Ala Val Leu Ser Ala Leu Leu

345 1 5 10 15

347 Cys Gln Val Trp Ser Ser Gly Val Phe Glu Leu Lys Leu Gln Glu Phe

348 20 25 30

350 Val Asn Lys Lys Gly Leu Leu Gly Asn Arg Asn Cys Cys Arg Gly Gly

351 35 40 45

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/765,727

DATE: 10/04/2004
TIME: 11:54:57

Input Set : A:\67452521.app
Output Set: N:\CRF4\10042004\J765727.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:22; Xaa Pos. 891
Seq#:24; Xaa Pos. 2,3,4,5,6,7,8,9,11,12,13,15,16,17,18,19,20,21,22,23,24,25
Seq#:24; Xaa Pos. 27,28,29,30,31,32,33,35,36,37,38,39,40,41,42
Seq#:25; Xaa Pos. 2,3,4,5,6,7,8,9,11,12,13,15,16,17,18,19,20,21,22,23,24,25
Seq#:25; Xaa Pos. 27,28,29,30,31,32,33,35,36,37,38,39,40,41,42
Seq#:26; Xaa Pos. 2,3,4,7,8,9,11,12,13,20,24,25,27,28,29,31,32,33,35,36,39
Seq#:26; Xaa Pos. 41,42
Seq#:27; Xaa Pos. 1,2,3,4,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23
Seq#:27; Xaa Pos. 24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42
Seq#:27; Xaa Pos. 43,44,45,46,47,48,49,50,51,52,53,55,56,57,58,59,60,61,62
Seq#:27; Xaa Pos. 63,64,65,66,68,69,70,71,72,73,74,75,76,77,78,79,80,81,82
Seq#:27; Xaa Pos. 83,84,85,86,87,88,89,90,91,92,93,94,95,96,97,98,99,100
Seq#:27; Xaa Pos. 101,102,103,104,105,106,107,108,109,110,111,112,113,114
Seq#:27; Xaa Pos. 115,116,117,118,119,120,121,122,123,124,125,126,127,128
Seq#:27; Xaa Pos. 129,130,131,132,133,134,135,136,137,139,140,141,142,143
Seq#:27; Xaa Pos. 144,146,147,149,150,151,152,153,154,155,156,157,158,159
Seq#:27; Xaa Pos. 160,161,162,163,164,165,166,167,168,169,170,172,173,175

VERIFICATION SUMMARY

DATE: 10/04/2004

PATENT APPLICATION: US/10/765,727

TIME: 11:54:57

Input Set : A:\67452521.app

Output Set: N:\CRF4\10042004\J765727.raw

L:1398 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:880
L:2221 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0
L:2224 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:16
L:2227 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:32
L:2351 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:0
L:2354 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:16
L:2357 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:32
L:2421 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:0
L:2424 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:16
L:2427 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:32
L:2503 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:0
L:2506 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:16
L:2509 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:32
L:2512 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:48
L:2515 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:64
L:2518 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:80
L:2521 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:96
L:2524 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:112
L:2527 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:128
L:2530 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:144
L:2533 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:160